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OEL 259/64

17 MAR 1964

MEMORANDUM FOR: Director of Logistics

SUBJECT : Request for Initiation of Task Order with

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1. This Office has a continuing requirement for the evaluation of commercial magnetic recording tapes in terms of high-frequency performance. Current methods, such as playing the tape on instrumentation recorders, are time-consuming, cause tape wear and lack standardization.

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2. [REDACTED] have conducted recent experiments on the interaction between magnetic fields and light waves resulting in an instrumentation system which provides a photoelectric output for light waves modulated by weak magnetic fields. Based on discussions with Agency personnel, [REDACTED] has submitted the attached proposal to set up criteria for comparison of magnetic tapes. The proposal stipulates a four-month study to determine the parameters to be measured and to specify the measuring equipment to be fabricated in a future program.

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3. It is requested that a task order be initiated with [REDACTED] for the investigation of magnetic tape criteria based on the attached proposal and cost estimate. Project officer is [REDACTED] extension 4518.

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/s/

George C. Miller

GEORGE C. MILLER

Assistant Director for ELINT, DD/S&T

Attachment:

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[REDACTED] Proposal & Cost Estimate

APPROVED

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AERB/RDD: [REDACTED]:mh/4518 (10 Mar 64)

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ALBERT D. WHEELON
Deputy Director
(Science and Technology)

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